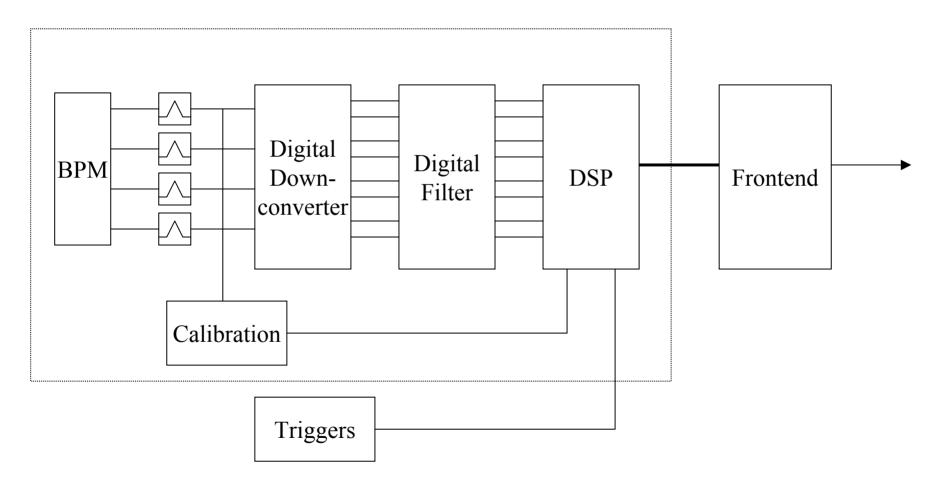
Purpose of Specifications

- Provide information on component standards and tolerances to designers.
- Provide justification between design and requirements.
- Act as interface between different project subgroups.
- Act as detailed user manual upon completion of project.

Hardware Architecture Skeleton



Crate Layout

Slot 0 Contoller	Timing Module	BLM Interface	BPM Module	BPM Module	BPM Module	BPM Module	BPM Module
Ethernet Input	TCLK BSNC In	Trigger In	Digitizer Trigger	Digitizer Trigger	Digitizer Trigger	Digitizer Trigger	Digitizer Trigger
Backplane Coordination	- 1		Data Trigger(s)	Data Trigger(s)	Data Trigger(s)	Data Trigger(s)	Data Trigger(s)
		Control In Data Out					

Software Architecture Skeleton

User **Applications**

Frontend

Communicate with DSPs Process requests for BPM data from data acquisition routines **DSP**

Calculate Position & Amplitude
Store Calibration Constants
Maintain Time Stamp Clock
Correlate Time Stamp with Data
Maintain Trigger & Control Settings
Maintain Data Buffers
Respond to Triggers
Control Filters, Calibration, Diagnostics
Communicate with Frontend Controller

Software Architecture Skeleton

